

# Consensus Safety Measurement Methodologies for ADS- Equipped Vehicles

June 25-26, 2019

**NIST**



**U.S. Department  
of Transportation**



**VIRGINIA TECH  
TRANSPORTATION INSTITUTE**

# CAT Coalition Update

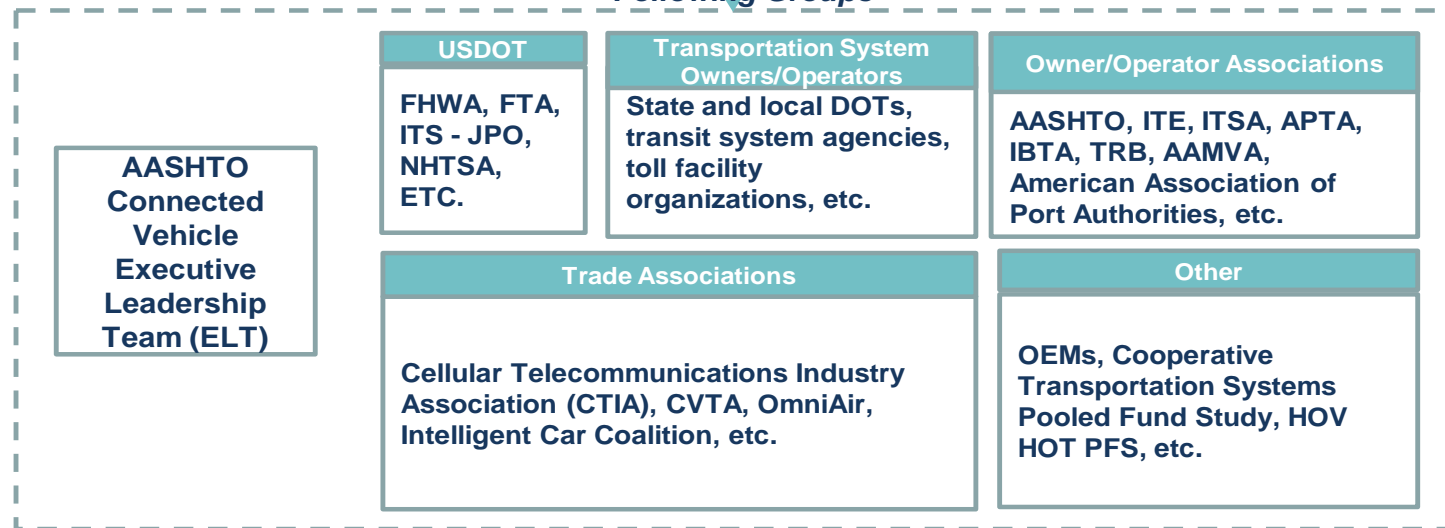
*Cooperative Automated Transportation (CAT) Coalition*  
*A joint effort by AASHTO, ITE and ITSA*  
*in partnership and Cooperative Agreement with USDOT*

# CAT Coalition Evolution....2013 - Present

V2I-DC Executive Committee  
 USDOT (FHWA, OSTP – ITS JPO, NHTSA, FTA, etc.) & core stakeholders

V2I-DC Chair  
 (Open Discussion – possible chair from AASHTO subcommittee or core group membership)

*Vehicle-to-Infrastructure Deployment Coalition will be Supported by the Technical Teams drawn from the Following Groups*

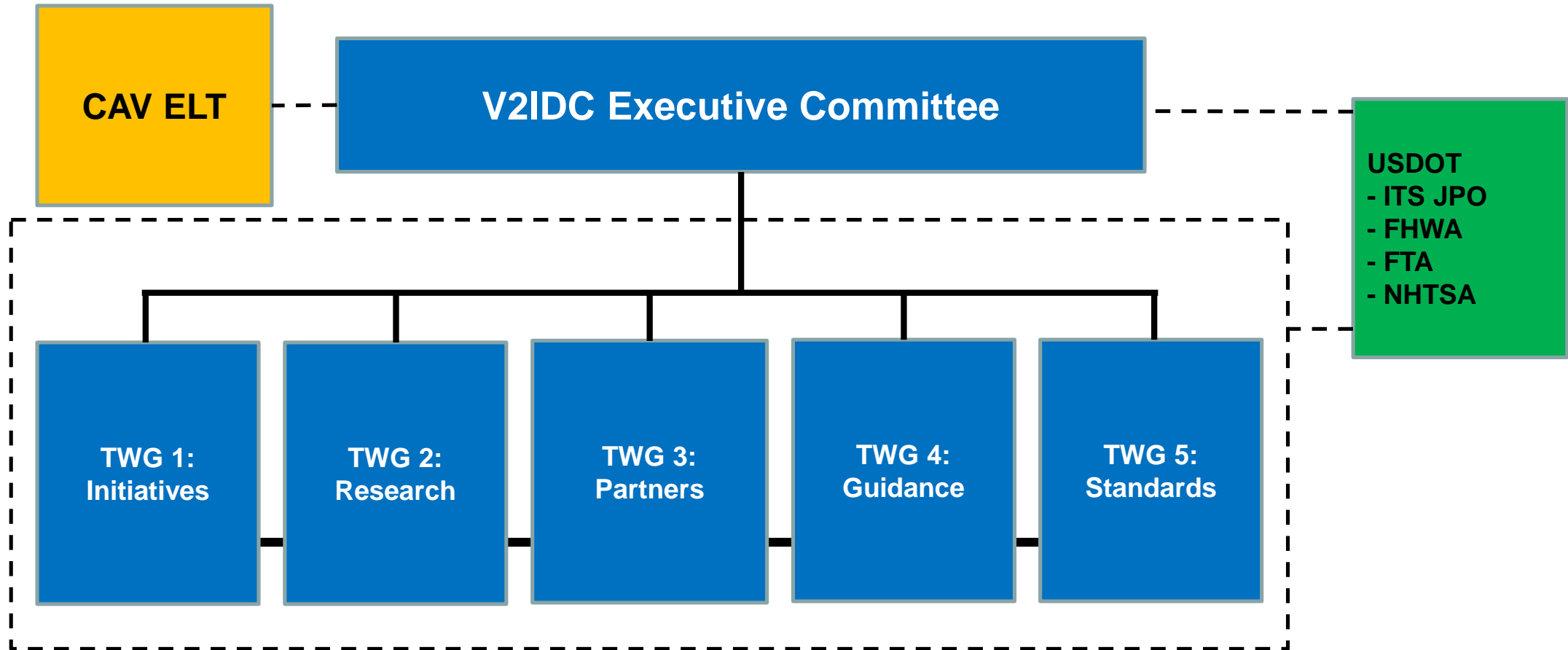


Connected Vehicle Deployment Coalition key functions

1. Collaborate with FHWA on 2015 connected vehicle deployment guidance
2. Promote streamlining among USDOT, owner/operator associations, AASTHO, and trade & professional associations
3. Support the development of second phase Connected Vehicle Footprint Analysis
4. V2I-DC Chair will also serve on the CV ELT and provide overall technical support to the Connected Vehicle Executive Leadership Team
5. The Vehicle-to-Infrastructure Deployment Coalition Chair and Connected Vehicle Executive Leadership Team Chair to provide executive input to other Federal, State, and local transportation groups associated with V2I technology deployment.

# CAT Coalition Evolution....2013 - Present

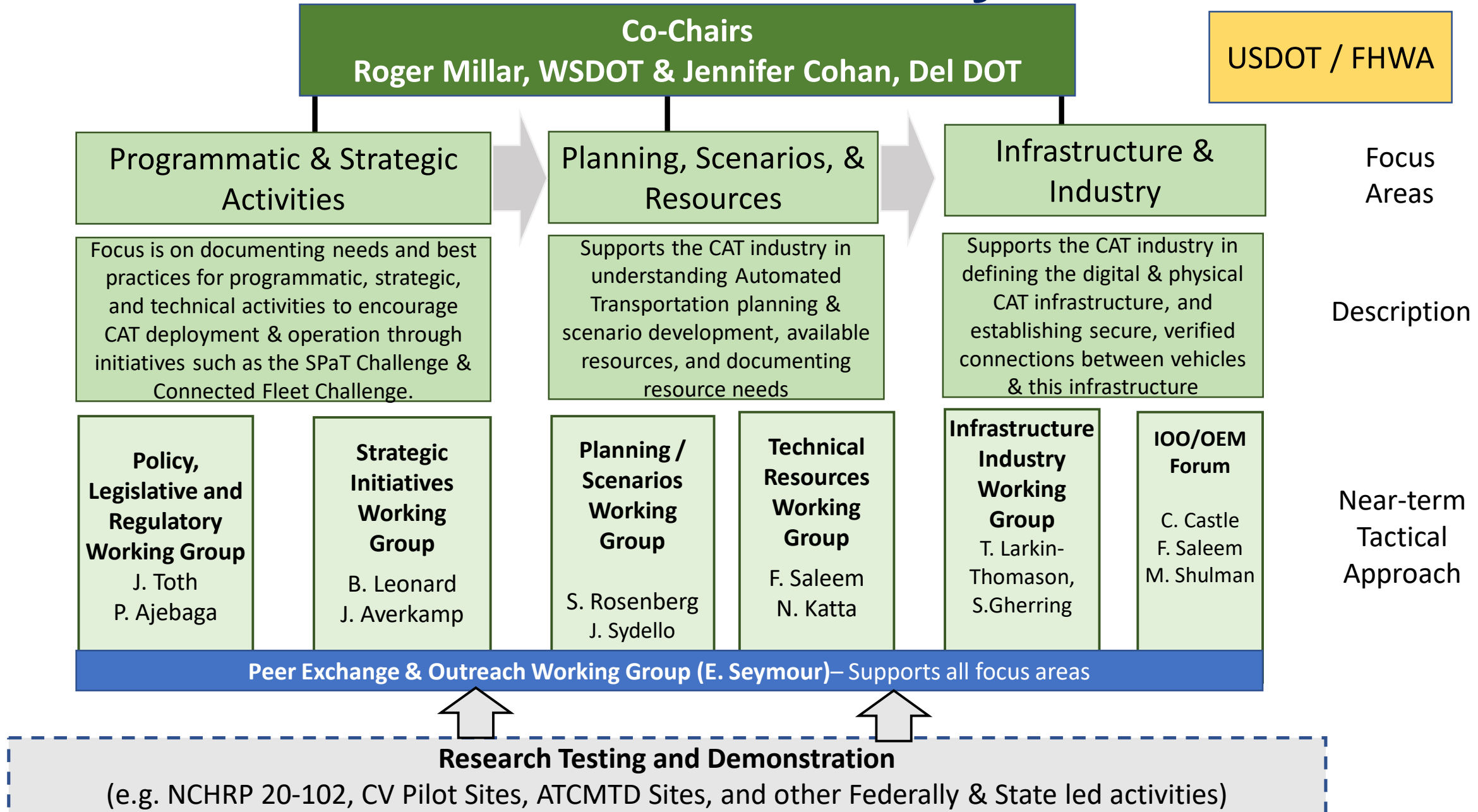
## V2I DC Structure



# What is Cooperative Automated Transportation (CAT)?

- It is cooperative – it requires reliable, two way communications and two-way information exchange – *among all modes, users, managers, and operators*
- It is automated – it enables all modes to cooperatively enhance the safety and mobility of the system
- It is transportation – in all modes, systems, and uses.

# The CAT Coalition Today – 2019...



# CAT Coalition

## Recent Activities / Accomplishments

### Programmatic & Strategic Accomplishments (examples)

- Truck Platooning Policy Paper
- CAT Policy Framework Clearinghouse
- Launch of Connected Fleet Challenge

### Planning Scenarios & Resources Accomplishments (examples)

- Identified gaps regarding CAT resource needs
- Developed white paper on CAT resources
- Reviewed and offered input on several (13+) resources / documents

### Infrastructure & Industry Accomplishments (examples)

- Reduced Speed Zone Warning Application ConOps
- Testing of Software tool chain for work zone MAP creation
- Initiated Development of Clarifications on Ambiguities in V2I Communications

# CAT Coalition

## Recent Activities / Accomplishments

### Programmatic & Strategic Accomplishments (examples)

- Truck Platooning Policy Paper
- CAT Policy Framework Clearinghouse
- SPaT Challenge Webinar #10
- Launch of Connected Fleet Challenge

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# SPaT Challenge Locations



# CAT Coalition Website

<http://www.transportationops.org/catcoalition>



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Policy, Legislative &  
Regulatory Working Group

Clearinghouse of CAT Policy  
Frameworks and Policy  
Statements

## Cooperative Automated Transportation (CAT) Coalition



The Cooperative Automated Transportation Coalition (CAT) serves as a collaborative focal point for federal,

**Discussions... Q & A...**

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